

DOCKET NO.: 301921.01/MSFT-1740
Application No.: 10/600,066
Office Action Dated: February 28, 2006

PATENT

REMARKS

In response to the Office Action dated February 28, 2006, Applicants respectfully request reconsideration based on the following amendments and remarks. Applicants respectfully submit that the claims as presented are in condition for allowance.

Claims 1-20 are pending. Claims 1-20 have been rejected. Claims 1, 10 and 18 are independent claims from which claims 2-9, 11-17 and 19-20 respectively depend. Claims 1, 9, 10, 12, 17 and 18 have been amended. Claim 12 was amended to correct an informality. While Applicants do not agree with the rejections and arguments presented, in the interests of advancing prosecution, claims 1, 9, 10, 17 and 18 have been amended to clarify the subject matter claimed. No new matter has been added. Support for the amendments can be found in the application as originally filed on page 3, paragraph 10 and elsewhere. Applicants respectfully submit that the claims, as amended, define over the prior art.

Confirmation of Acceptance of Formal Drawings

Applicant respectfully thanks the Examiner for confirmation that formal drawings filed by Applicant on June 20, 2003 have been accepted.

§101 Rejections

Claims 9 and 17 have been rejected under 35 U.S.C. §101 as allegedly being directed to non-statutory subject matter. In particular, the claims were rejected because in paragraph 33 of the specification, allegedly “[t]he specification states that carrier waves are included amongst types of computer readable mediaCarrier waves are considered to be non-statutory subject matter.” Applicants respectfully request citation of proper authority for this conclusion. Applicants respectfully submit that this rejection is improper and request the withdrawal of the 101 rejections of these claims.

§102(b) Rejections

Claims 1, 2, 4 and 5 have been rejected under 35 U.S.C. §102(b) as being anticipated by Moyer et al., U.S. Patent Number 4,635,193. It is respectfully submitted that these claims are patentable because Moyer does not disclose or suggest all the features recited by Applicant's amended claims. For example, Applicant's amended claim 1, from which claims 2, 4 and 5 depend, recites:

A method for debugging an object model comprising:

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exposing a set of breakpoints through a debugging interface of an execution environment, *wherein a breakpoint of the set of breakpoints is associated with an object comprising a pluggable component created by the execution environment wherein the pluggable component communicates a description of the breakpoint to the execution environment;*

checking a status of the breakpoint at predetermined intervals; and
responding to a request for suspend and resume.

(emphasis added.)

Applicants respectfully submit that Moyer does not disclose or suggest at least the italicized features of Applicants' amended claim 1. Moyer is directed to an improved breakpoint instruction processing capability utilizing a control circuit. Moyer provides a hardware solution to detecting breakpoints. Moyer does not disclose or suggest an object model implementation and indeed Moyer's solution would not work with an object model. Moyer does not disclose or suggest at least an execution environment that creates an object comprising a pluggable component, wherein the pluggable component is associated with breakpoints, as recited in Applicants' amended claim 1. As Moyer does not disclose or suggest all the non-obvious features of Applicants' claim 1, from which claims 2, 4 and 5 depend, Applicants respectfully request the withdrawal of the 102 rejections of these claims.

Claims 10-15 and 17 have been rejected under 35 U.S.C. § 102(e) as being anticipated by Yee, U.S. Patent Number 6,598,178. Applicants respectfully submit that Yee does not disclose or suggest analogous features in claim 10 to those italicized in Applicants' amended claim 1. Yee is directed to providing an architecture for a peripheral device to activate a breakpoint. Yee does not disclose or suggest at least an execution environment that creates an object comprising a pluggable component, wherein the pluggable component is associated with breakpoints, as recited in Applicants' amended claim 10. As Yee does not disclose or suggest all the non-obvious features of Applicants' claim 10, from which claims 11-15 and 17 depend, Applicants respectfully request the withdrawal of the 102 rejections of these claims.

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§103(a) Rejections

Claims 3 and 6-9 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Moyer in view of Yee, U.S. Patent Number 6,598,178. Applicant respectfully submits these claims are allowable because neither Moyer nor Yee, alone or in combination, recite all the features of Applicants' independent claim 1 from which these claims depend. As described above, Moyer does not disclose or suggest at least the italicized features of Applicants claim 1. Yee does not remedy this defect. Yee is directed to providing an architecture for a peripheral device to activate a breakpoint. As neither Moyer nor Yee disclose or suggest at the italicized features of Applicants amended claim 1, Applicants respectfully request the withdrawal of the 103 rejections of claims 3 and 6-9 which depend from amended claim 1.

Claims 16 and 18-20 have been rejected under 103(a) as being unpatentable over Yee in view of Moyer. Claims 10 and 18 include features analogous to the italicized features of amended claim 1. Therefore, for the reasons stated above, Applicants request the withdrawal of the 103 rejections of these claims.

Conclusion

In view of the foregoing amendments and remarks, Applicants respectfully submit that the present Application is in condition for allowance. Withdrawal of the rejections of the claims and an early allowance is earnestly solicited.

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Susan C Murphy
Susan C. Murphy
Registration No. 46,221

Woodcock Washburn LLP
One Liberty Place - 46th Floor
Philadelphia PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439